

What is claimed is:

1. A sealing structure for polymer electrolyte fuel cell comprising:

a bipolar plate with sealing groove to be filled with rubber using a dispenser;

5 and

a gasket interposed between said bipolar plate and a membrane electrode assembly.

2. The sealing structure for polymer electrolyte fuel cell as in claim 1, further

10 comprising an anchor in contact with said sealing groove, whose width is greater than the width of said sealing groove.

3. The sealing structure for polymer electrolyte fuel cell as in claim 2, wherein

said anchor has a width of 1.5 times of the width of said sealing groove.

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4. The sealing structure for polymer electrolyte fuel cell as in claim 3, wherein

said sealing groove and said anchor have same depth.

5. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein

20 said anchor is formed vertically to a route direction of said sealing groove in the

periphery of said sealing groove.

6. The sealing structure for polymer electrolyte fuel cell as in claim 5, wherein
said anchors on each of said bipolar plate located in the front and the rear of said
5 membrane electrode assembly, are located symmetrically to each other.

7. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein
said rubber is made of any of rubber materials containing silicon, fluorine or olefin.

10 8. The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein
said gasket is manufactured of the same material with said bipolar plate.

9. A polymer electrolyte fuel cell comprising said sealing structure stated in
any of claims 1 - 8.

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